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AN 123:147114 CA  
 TI Substituted \*\*\*succinic\*\*\* \*\*\*anhydride\*\*\* -containing sizing  
 \*\*\*emulsions\*\*\* for surface sizing of newsprint paper  
 IN Torigoe, Noriaki  
 PA Arakawa Chem Ind, Japan  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 PI JP 07138898 A2 19950530 Heisei  
 AI JP 93-188809 19930630  
 DT Patent  
 LA Japanese  
 IC ICM D21H019-24  
 ICS D21H019-20  
 CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)  
 OS MARPAT 123:147114  
 AB The title \*\*\*emulsions\*\*\* have high solids content and can be applied  
 by gate roll coater at high speed for improving sizing efficiency. Mixing  
 1 part a 10% aq. dispersion prepd. from 90 parts tetradecenylsuccinic  
 anhydride and 10 parts Na dodecylbenzenesulfonate with 50 parts a 10% aq.  
 soln. of \*\*\*oxidized\*\*\* \*\*\*starch\*\*\* and 49 parts water gave a  
 title sizing \*\*\*emulsion\*\*\*  
 ST \*\*\*oxidized\*\*\* \*\*\*starch\*\*\* surface sizing newsprint;  
 alkenylsuccinic anhydride sizing newsprint; gate roll coater sizing  
 newsprint  
 IT Sizes  
 (external; substituted \*\*\*succinic\*\*\* \*\*\*anhydride\*\*\* -contg.  
 sizing \*\*\*emulsions\*\*\* for surface sizing of newsprint paper)  
 IT Paper  
 (newsprint, substituted \*\*\*succinic\*\*\* \*\*\*anhydride\*\*\* -contg.  
 sizing \*\*\*emulsions\*\*\* for surface sizing of newsprint paper)  
 IT 9002-89-5, PVA117 9005-25-8D, \*\*\*Starch\*\*\*, \*\*\*oxidized\*\*\*  
 28777-98-2, Octadecenylsuccinic anhydride 32072-96-1,  
 Hexadecenylsuccinic anhydride 33806-58-5, Tetradecenylsuccinic anhydrid  
 72283-66-0, Polymerset 305 120141-65-3  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (substituted \*\*\*succinic\*\*\* \*\*\*anhydride\*\*\* -contg. sizing  
 \*\*\*emulsions\*\*\* for surface sizing of newsprint paper)

P.D. 10-09-95	1
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